

Descriptions of new Butterflies from Costa Rica : by ARTHUR G. BUTLER, F.L.S., F.Z.S.

The following are the principal novelties from the fine Collection recently brought from Cartago, Costa Rica, by Dr. van Patten ; the *Heliconidæ* have still to be examined.

RHOPALOCERA.

FAMILY NYMPHALIDÆ. *Swainson.*

SUB-FAMILY SATYRINÆ. *Bates.*

DRUCINA, *Gen. nov.*

Affine *Pronophila* alis anticis longioribus, venis disco-cellularibus ramisque subcostalibus aliter dispositis.

Allied to *Pronophila*, but with the frontwings comparatively narrower and more elongated, first subcostal emitted towards end of cell, second just before end, third some distance beyond, fourth and fifth forming a long fork to apex ; upper disco-cellular slanting obliquely inwards, lower strongly angulated outwards, the two together forming a biangulated oblique zigzag line ; palpi long, the last joint slanting downwards. Type *D. Leonata*.

Drucina Leonata, *sp. nov.*

♂. Alæ supra nigro-fuscae, anticae maculis sex submarginalibus incrementibus lacteis ; posticae duabus subapicalibus et fascia lata discali incremente, extrorsum sinuata ad marginem fere internum attingente, ferrugineo-fulva introrsum umbrosa : corpus nigrum, capite et collo fulvo maculatis ; alæ anticae subtus nigro-fuscae, area apicali dilutiore cinereo-rorata, punctis tribus subapicalibus maculisque quatuor submarginalibus incrementibus albis ; macula discoidali, altera pone cellam et tertia in nervulum secundum medianum sordide albidis ; posticae pallide cinereo fuscae, venis nitide nigris ; fascia lata media biangulata fusca : margine externo irregulariter fuscescente ; ocellis

septem incompletis submarginalibus fuscis albo pupillatis : corpus nigrescens : exp. alar. unc. 3, lin. 5.

♀. Simillima mari differt alis anticis supra dimidio apicali paululum dilutiori : nebula discoidali inconspicua, macula pone cellam, altera subtriangulari in nervulum secundum medianum et lunula venam inferiorem disco-cellularem transeunte lacteis ; posticæ nebula discoidali et fascia discali continuata ferrugineo-fulvis, strigis tribus diffusis pone cellam inter venas, albidis : exp. alar. unc. 3, lin. 11. Coll. Druce.

GENUS OXEOSCHISTUS. *Butler.*

Oxeoschistus Euriphyle, sp. nov.

Alæ supra fuscae, anticæ puncto subcostali pone cellam maculisque quinque irregularibus increscentibus submarginalibus fulvis, primo geminato, remoto, quarto nigro pupillato ; posticæ fascia lata discali, introrsum recta extrorsum alternatim angulato-dentata ocellos septem nigros ferente, ad angulum ani umbrosa ; ocellis secundo, tertio et septimo minimis, quinto maximo, quarto, quinto et sexto albo-pupillatis ; lineola anali antemarginali fulva : corpus nigrum.

Alæ anticæ subtus pallidiores, area apicali cinereo et ferrugineo rorata ; stria mediana et macula costali triangulari pone cellam, sordide albis ; macula trifida subapicali extrorsum ocellis quatuor inconspicuis albis arcuatim cincta ; maculis quatuor supernis majoribus increscentibus sed ochreis ; puncto apicali, lunulisque duabus marginalibus ochreis ; posticæ pallide fuscae, stria irregulari cellam transerrante et striola ad cellæ finem albidis, fascia superna multo dilutiore, extrorsum albida, in medio fuscescente ; ocellis majoribus, pallide cinctis, albo pupillatis ; striga marginali ochraceo rorata : corpus fuscum, palpis pallidis : exp. alar. unc. 2, lin. 6. Coll. Druce.

SUB-FAMILY BRASSOLINÆ. *Bates.*

GENUS DYNASTOR.

Dynastor Stygianus, sp. nov.

♂. Affinis *D. Davio*, Fabr., duplo major, alis anticis apice rotundato ; margine externo fere recto ; maculis longioribus :

subtus multo pallidioribus grisescentibus, maculis multo majoribus, apice anticarum fusco, macula ocellari bipupillata; stria ocellum discalem introrsum cingente ad marginem externum (haud ad apicem) attingente; maculis ocellaribus posticarum majoribus a margine magis remotis, tertia extrorsum profunde indentata; macula una discoidea nigra, macula subcostali obsoleta: exp. alar. unc. 5, lin. 1. Coll. Druce.

GENUS CALIGO.

Caligo Bubocula, sp. nov.

♂. Alæ supra piceæ, anticæ area apicali cellæ discoidalis discoque nitide cærulescentibus; maculis tribus inconspicuis subapicalibus nigris oblique positis, punctisque duobus subcostalibus albis; posticæ fascia decrescente submarginali a costa ad ramum tertium medianum continuata, cærulea; marginibus apicali et abdominali ochraceis; plaga oblongo ovali ochracea, interna; corpus fuscum.

Alæ subtus pallide fusæ, fascia lata media brunneo-fusca sericeo-albo utrinque cincta lineisque nigris scripta, anticæ maculis tribus punctisque duobus ocellaribus apicalibus; basi et disco nigro striatis lineisque duabus submarginalibus nigro-fuscis; posticæ nigro reticulatæ, plaga costali ocellari brunnea; ocello magno mediano cinereo, ochreo-cincto; corpus fuscum: exp. alar. unc. 5, lin. 3. Coll. Druce.

Intermediate between *C. Oberon* and *C. Reevesii* in its under-surface coloration; two females in the British Museum from Mexico are probably referable to this species.

SUB-FAMILY MORPHINÆ. *Butleri.*

GENUS MORPHO. *Fabricius.*

Morpho Aquarius, sp. nov.

Affinis *M. Theseo* differt alis brevioribus, area basali supra distincte cærulescente; anticæ margine externo paululum arcuato; fascia lata submarginali regulari nigra; maculis ochreis majoribus valde distinctis; striga alarum omnium duplici marginali fulva continua; posticæ caudis haud quadratis; alæ subtus dilutiores; anticæ striola

inconspicua et fasciola lata discoideis cinereis; plaga pone cellam costali pyramidata cinerea striolam fuscā includente; maculis submarginalibus diffusis subtriangularibus majoribus albidis; posticæ area basali quadrata; fascia pone eam cinerea multo magis regulari: exp. alar. unc. 5, lin. 3. Coll. Druce.

Three examples, differing from the nearly allied *M. Theseus* in the above characters.

Morpho Marinita, sp. nov.

Affinis *M. Achilli*, supra fusca; anticæ fascia lata pone medium nitide cærulea in costam albo diffuse quadrimaculata et extrorsum puncta quatuor alba inter venas discoideales et ramos medianos gerente, apud costam intus subito angulata, extrorsum maculam subcostalem albam evitante; seriebus duabus macularum, introrsum bisinuataram, albarum, submarginalium, extrorsum nigro-limitatis; ciliis albo variis; posticæ areola disco-apicali dilutiore; strigis duabus (apud apicem maculiformibus undatis), interiore decrescente fusco-albida, exteriori rufescente, extrorsum nigro limitatis; ciliis inter venas albo binotatis: corpus fuscum.

Alæ subtus fere velut in *M. Achille*, fasciolis discoideis cinereis angustis; ocellis anguste cinereo-albido zonatis: exp. alar. unc. 5, lin. 4.

♀. Simillima mari, differt supra maculis costalibus et discalibus magis distinctis, submarginalibus minus distinctis; fascia cærulea angustiore maculam magnam subcostalem includente et a stria undata disco-cellulari interrupta; posticæ areola disco-apicali paululum cærulescente: alæ subtus velut in mare: exp. alar. unc. 6. Coll. Druce.

A remarkable new species, having no blue band in the hindwings.

Morpho Limpida, sp. nov.

♂. Affinis præcedenti; anticæ area basali paululum cærulescente; fascia cærulea latiore utrinque cyaneo diffuse limitata et maculam subcostalem includente; maculis discalibus valde inconspicuis; serie interiore macularum submarginali obsoleta; posticæ area discali venisque brunneo-ochraceis; fascia a vena subcostali ad ramum secundum

medianum pyramidata cærulea et macula ejusdem coloris a ramo solum separata; strigis submarginalibus minus conspicuis angustioribus brunneo-ochreis: corpus fuscum.

Alæ posticæ subtus area statim pone ocellos in venas dilutiore; fascia submarginali magis rufescente: exp. alar. unc. 5, lin. 5. Coll. Druce.

This species, though nearly allied to the preceding, differs in so many particulars that I have felt obliged to distinguish it.

Morpho Hydorina, sp. nov.

♂. Affinis *M. Marinita* major, anticæ fascia cærulea latiore, serie interiore macularum submarginalium minus conspicua, maculis lunatis haud bisinuatis; posticæ latiores colore simillimæ sed fascia lata vel tenui cærulea ad ramum secundum medianum sæpius continuata: alæ subtus fasciis discoideis magis conspicuis, fasciis marginalibus albis cinereo tinctis et paululum latioribus; ocellis late albido zonatis: exp. alar. unc. 5, lin. 6.

♀. Simillima *M. Marinita* ♀ differt supra seriebus macularum submarginalium latius separatis, magis conspicuis; maculis discalibus albis majoribus; posticæ areola discoapicali magis cærulescente; alæ subtus fasciis omnibus albidis multo latioribus cinereo-tinctis; posticæ area pone ocellos dilutiore: exp. alar. unc. 6. Coll. Druce.

SUB-FAMILY NYMPHALINÆ. *Bates.*

GENUS EPIPHILE. *Doubleday.*

Epiphile Grandis, sp. nov.

♀. Alæ supra nigro-piceæ; anticæ fascia lata obliqua fulva, introrsum inter ramos secundum et tertium medianos sinuata; maculis tribus subapicalibus quarum media alba, aliis ferrugineis, prima in costam albo rorata; posticæ costa et apice late fulvis, margine externo anguste ferruginoso: corpus nigrum capite brunneo tincto.

Alæ subtus pallide rufo-fuscæ, anticæ fascia superna dilutiore; striola disco-cellulari nigra; area interno-mediana diffuse nigra; area apicali cinereo rorata, macula subapicali

alba et ocellis duobus in serie eadem obliqua nigris inaequalibus; posticæ macula cuneiformi costali et striga angulata subcostali, argenteis; serie ocellorem subseptem brunneorum valde indistinctorum cinereo diffuse cinctorum: corpus pallide rufo-fuscum: exp. alar. unc. 3, lin. 3. Coll. Druce,

The largest species of *Epiphile* yet described, and in colour somewhat resembling the insect figured by Mr. Hewitson as the female of *E. Orea*.

GENUS HETEROCHROA. *Boisduval*.

Heterochroa Demialba, sp. nov.

Alæ supra fuscae nigro fasciatae; anticae area apicali albo-maculata, maculis quatuor pone cellam; prima costali trifida, secunda et tertia longioribus subcostalibus, quarta discali punctiformi; maculis sex serie undulata discalibus, prima et ultima parvis; puncto apud basin rami tertii mediani albido, puncto subapicali albo et duobus cinereis; ciliis apicalibus albis; maculis sex submarginalibus lineolisque subquinque marginalibus albis; posticæ ciliis albis; corpus nigrum, capite albo-punctato.

Alæ subtus fuscae, area basali fasciis subquatuor cinereis nigro limitatis; anticae maculis supernis albis et una pone medium interna; posticæ area apicali fasciis tribus obscurioribus fuscis intermedia latissima; margine late albido, lineis duabus nigrescentibus in venas a strigis fulvis interruptis: corpus cinereo-albidum, palpis albis, lateraliter nigro-lineatis: exp. alar. unc. 2, lin. 11. Coll. Druce.

Unlike any other species of the genus.

GENUS PHYCIODES *Hübner*.

Phyciodes Fulviplaga, sp. nov.

Alæ supra nigro-fuscae, anticae fulvo-irroratae; punctis duobus discoideis duobus pallidioribus subapicalibus, duobus squamosis medianis, uno submarginali et uno subanali, plaga quadrifida pone cellam subcostali et macula semicirculari apud marginis externi medium, fulvis; posticæ fulvo sparsae; margine late nigro; ciliis lunulisque submarginalibus analibus, fulvis: corpus nigrum.

Alæ subtus-fuscae; anticae area mediana nigra; punctis duobus basali-discoideis, striola discoidali, puncto disco-

cellulari, plaga pone cellam, macula discali, lunulaque submarginali fulvis, maculis tribus pone plagam albis; lunulis tribus subapicalibus pallide fuscis vel cinereis extrorsum nigro limitatis; posticæ ocellis discalibus, fascia valde irregulari media, characteribus basalibus et linea lunulata submarginali cinereis; margine externo brunneo: corpus cinereum: exp. alar. unc. 1, lin. 3. Coll. Druce.

GENUS ERESIA. *Boisduval.*

Eresia Dismorphina, sp. nov.

Alæ anticæ supra nigro-fuscæ striga duplici mediana, a vena mediana persecta, brunneo squamosa; macula discoidea cum striga connecta et duabus inæqualibus inter ramos primum et secundum medianos ochreo-albidis; quatuor pone cellam lineatis, quinta in serie eadem obliqua, discali; tribus subapicalibus quarum duabus superioribus subcostalibus, quinque submarginalibus in serie eadem angulata ochreo albidis; striolis apicalibus squamosis albidis; ciliis albo-punctatis; posticæ fulvo-ferrugineæ, basi, costa ad apicem et margine externo nigris; maculis submarginalibus fulvis, ciliis albo-punctatis: corpus nigrum, capite albo-punctato, antennis albidis ad basin nigris:

Alæ subtus multo pallidioribus, maculis anticarum flavidis elongatis, apice flavido; area interno-discoidea ferruginosa; posticæ costa ferruginosa ad basin alba; fascia lata subcostali nigra; maculis submarginalibus majoribus albis; area centrali albida; corpus nigrum, palpis pedibusque albo lineatis, aliter velut supra: exp. alar. unc. 2, lin. 4. Coll. Druce.

FAMILY ERYCINIDÆ.

SUB-FAMILY EURYGONINÆ. *Bates.*

GENUS METHONELLA. *Westwood.*

Methonella Chrysomela, sp. nov.

Alæ supra nigro-fuscæ area magna subrotundata media ad basin attingente rufo-aurantiaca: corpus fuscum, abdomine rufo-cingulato:

Alæ subtus nigro-fuscae, area media multo pallidior; anticæ fascia lata discali alba, a ramo tertio mediano submarginali, pyramidata; posticæ seriebus macularum submarginalium duabus, interna flavescente, externa maculis æqualibus albis: corpus thorace nigro, abdomine aurantiaco: exp. alar. unc. 1, lin. 10. Coll. Druce.

A fine species, which has long been known from Bogota.

SUB-FAMILY ERYCINIDÆ. *Bates.*

GENUS PANDEMOS. *Hübner.*

Pandemos Nymphidioides, sp. nov.

♂. Alæ anticæ brunneo fuscae areis media et marginali obscurioribus; areola subanali ochracea; maculis tribus discoideis et duabus submedianis fuscis cinereo-cinctis; maculis tribus mediis in serie obliqua, subhyalinis, albis, media multo majore; posticæ flavo-albidæ area basali fumato brunnea striola disco-cellulari fusca, venis subcostalibus fulvis, maculis tribus apicalibus fumato-brunneis; puncto minuto subanali nigro, fulvo cincto; ciliis fuscis: corpus brunneo-fuscum: alæ subtus albæ, anticæ fascia postmedia et area tota apicali fusco squamosis; macula interna fulva; posticæ macula subcostali et puncto discoideo fulvis; litura subcostali et maculis tribus subapicalibus, fuscis; corpus albidum, ano fusciscente: exp. alar. unc. 2, lin. 4. Coll. Druce.

GENUS LEMONIAS. *Westwood.*

Lemonias Adelina, sp. nov.

Affinissima *L. Emulio* differt supra lineolis anticarum tenuioribus cæruleis, area aurantiaca latiore ad basin posticarum fere attingente: alæ anticæ subtus fuscae, cingulis subseptem basalibus pallide cæruleis; fascia pone medium valde interrupta nigrescente, introrsum cæruleo-albido limitata; striola discali pone eam squamosa alba; litura undata submarginali albida; maculis quinque marginalibus nigro-fuscis, primo et quarto minoribus albo-cinctis, area anali alba, fusco maculata; posticæ albæ, area basali pallide cærulea, striolis tribus subcostalibus nigris: ciliis aurantiacis: corpus thorace nigro, pedibus cinereis, abdomine albedo a latere aurantiaco: exp. alar. unc. 1, lin. 6. Coll. Druce.

FAMILY PAPILIONIDÆ. *Leach.*SUB-FAMILY PIERINÆ (*Swainson*). *Bates.*GENUS EUTERPE. *Swainson.**Euterpe Diamorphites*, *sp. nov.*

♀. Simillima *Eresia Dismorphina*, major; anticæ nigrae, striis duabus internis rufo-ferrugineis, superiore abbreviata, squamosa; fasciola subinterrupta discoidea, maculis sex inaequalibus (duabus ultimis ferrugineo tinctis), tribus subapicalibus in serie obliqua et quatuor submarginali analibus, albidis; posticæ rufo-ferrugineæ; margine costali, vena costali, plaga magna subcostali, venis subcostali et mediana ad basin, et margine lato externo nigris; punctis sex submarginalibus flavis rufo tinctis; puncto basali albo; corpus thorace nigro capite albo-punctato, antennis fulvis ad basin nigris; abdomine fusco: alæ subtus maculis majoribus, anticæ puncto basali albo; posticæ costa basali nigro-fusca: corpus thorace albo-punctato, abdomine lateraliter flavo-maculato: exp. alar. unc. 3, lin. 2. Coll. Druce.

Resembles *Eresia Dismorphina*, but is considerably larger: allied to *E. Eurytele*.

GENUS CATASTICTA. *Butler.**Catasticta Actinotis*, *sp. nov.*

Alæ supra nigrae, anticæ macula magna media quadrifida sulphurea: corpus nigrum: alæ subtus pallidiores cinereo variegatæ; anticæ macula diffusa subapicali albida, serie undulata discali macularum flavarum decrescentium et altera striolarum inter venas marginalium; punctis duobus pone cellam flavis; posticæ macula obliqua medio-costali flava albido-cincta et duabus infra eam squamosis albidis; striola discoidali, aliis abdominalibus, punctis duobus disco-cellularibus, serie discali et punctis aliis marginalibus triangularibus, omnibus flavis; maculis duabus basalibus coccineis; corpus nigro-fuscum, striga ventrali albida: exp. alar. unc. 2, lin. 2. Coll. Druce.

This remarkable species is not nearly allied to any described species, it apparently belongs to the *Sisamius* group, and mimics *Actinote Nox* ♀.

GENUS MYLOTHRIS. *Hübner.*

Mylothris Alethina, *sp. nov.*

♀. Affinis *M. Malenkæ* differt dimidio apicali maculis distincte flavis; macula nigra fasciæ superioris magna et distincta; fascia subapicali maculari, magis elongata; posticæ absque fascia media fusca: exp. alar. unc. 3, lin. 1. Coll. Druce.

GENUS CALLIDRYAS. *Boisduval.*

Callidryas Intermedia, *sp. nov.*

Affinis *C. Virgini* et *Rurina*, magnitudine *Neocypridis*; alæ maris supra flavæ virgula minuta disco-cellulari nigra; feminae velut in *C. Virgine* albæ, posticæ autem maculis subsex marginalibus inæqualibus rubris: exp. alar. ♂, unc. 3, ♀, unc. 3, lin. 1.

The male of this species is very like that of *C. Neocypris* but may be at once distinguished by its having a short black line at end of frontwing cell; the female resembles that of *C. Virgo*, but has the hindwing marginal red patches of *C. Rurina*.

GENUS DISMORPHIA. *Hübner.*

Dismorphia Cordillera. *Felder.*

♀. Alæ anticæ supra nigre, plaga magna ad basin attinente et a vena mediana et ramo suo primo persecta ferruginosa extrorsum hyalino-albicante; seriebus duabus macularum hyalino-albidarum obliquis; striola ejusdem coloris subanali; maculis quatuor apicalibus flavo-albis; posticæ ferruginosæ areis media et apicali subhyalinis; apice late nigro introrsum profunde quinque sinuato, venis quoque apicalibus nigris; margine externo-anali anguste nigro; fascia subcostali-discoidea et fasciola pone eam nigris, maculis tribus apicalibus albis; corpus thorace nigro, capite albo-punctato, antennis flavis ad basin nigris; abdomine fusco: alæ subtus fere velut supra, posticæ autem, maculis decem submarginalibus quarum sex analibus cinereo-albidis: corpus thorace nigro albo-punctato, abdomine fusco, lineis duabus ventralibus flavidis: exp. alar. unc. 3, lin. 3. Coll. Druce.

A good deal like *Eresia Dismorphina*, but larger, and with all the frontwing markings better defined.

Dismorphia Sororna, sp. nov.

♂. Affinissima *D. Cordillerae*; anticae supra margine externo minus angulato, nigro-fuscae; strigula discoidea et altera interno-media, maculis tribus postcellularibus quarum intermedia obsoleta, duabus inter cellam et apicem subcostalibus et duabus magnis inaequalibus discalibus, una inter ramos primum et secundum medianos elongata et quatuor parvis apicalibus, hyalino flavis; posticae dimidio costali sericeo albo argenteo-cincto; dimidio anali apud apicem nigra, maculis tribus albis et una ferruginea, area anali ferruginea, margine late nigro: corpus thorace nigro, capite albo punctato, antennis albidis clava flava, basi nigra, abdomine fusco ad basin cinereo-maculato: alae anticae dimidio interno albo, argenteo-cincto; posticae dimidio costali fusco albo-maculato, anali ferrugineo, margine late nigro maculis tribus geminatis submarginalibus albis: corpus thorace nigro albo-punctato, abdomine fusco lineis duabus ventralibus flavidis: exp. alar. unc. 3, lin. 2.

♀. Fere velut in *D. Cordillera* ♀, differt anticis plaga a vena mediana persecta valde indistincta cinerea; serie interna obliqua, macula secunda et quarta obsoletis et aliis introrsum obscuratis; posticae obscurius ferrugineae fasciis latioribus nigris venisque apicalibus latius nigris: anticae subtus fere velut supra, posticae maculis solum tribus flavidis subapicalibus: exp. alar. unc. 3, lin. 3. Coll. Druce.

Nearly resembles *Euterge Dismorphites*.

Dismorphia Hagaresa, sp. nov.

♀. Alae anticae nigrae, maculis duabus medio-costalibus una discoidali, una postcellulari inter venas discoidales, tribus subapicalibus (prima quarum trifida) in serie obliqua una oblongo-ovali inter ramos secundum et tertium medianos punctisque tribus apicalibus, omnibus flavis; stria interno-basali rufa; posticae rufae, fascia subcostali, apice margine externo et venis apicalibus flavis: corpus fuscum, antennis nigris: alae subtus pallidiores, anticae area apicali rufescente, interna fuscesciente; macula altera pone cellam et discali, flavis; aliter velut supra: exp. alar. unc. 2, lin. 8. Coll. Druce.

Somewhat resembles the female of *D. Sororna*, but is considerably smaller, and evidently belongs to another section of the genus near *D. Eunoe*.

Dismorphia Lubina, sp. nov.

♂. Alæ supra nigerrimæ; anticæ plaga cuneiformi interna, maculis tribus incrementibus in serie obliqua postmediis et duabus subapicalibus minoribus (superiore bifida) albis; posticæ dimidio costali sericeo hyalino, ad basin et apicem late fusco obscurato; fascia lata alba a vena interna ad aream sericeam currente: corpus nigrum:

Alæ subtus margaritaceo-argenteæ griseo maculatæ, maculis supernis albis; anticæ plaga magna subpiriformi mediana alba; striga late arcuata subcostali nitide cæruleo-argentea: corpus albidum: exp. alar. unc. 2, lin. 6. Coll. Druce.

Dismorphia Viridifascia, sp. nov.

♀. Alæ supra nigrae, anticæ valde acuminatæ; lineolis tribus postmediis et punctis tribus subapicalibus oblique positis, sordide flavidis; posticæ dimidio costali fusco introrsum late chalybeo-limitato; fascia pyramidata pallide virescente a margine abdominali fere ad apicem currente: corpus nigrum, abdomine fusciscente, antennis nigris: subtus roseo-plumbeæ, flavo hic illuc sparsæ; anticæ striola medio-costali et macula a ramo secundo subcostali diviso sulphureo-flavis; fascia lata aream mediam pyriformatam cingente, chalybea; corpus cinereum, abdomine linea ventrali sulphureo-flavo: exp. alar. unc. 2, lin. 7.

♂. Alæ supra nigro-fusca; anticæ stria anali-interna, macula bifida ante medium (a vena subcostali persecta) altera majore ovali statim pone cellam et tertia pyriformi inter ramos secundum et tertium medianos, albidis; maculis tribus squamosis subapicalibus, valde oblique positis, albidis; posticæ costa et fascia lata continuata angulata albida (i.e., area permagna quadrata basali, costam includente, a fascia lata subcostali fusca interrupta, albida); margine abdominali dilute fusco: corpus nigro-cinereum: anticæ subtus nigro-fusca; area interna albida; apice fusco-plumbea vel pallide sericeo-fusca introrsum albo late limitata; maculis supernis mediis, duabus superioribus in costam connectis; posticæ sericeo-fusca argenteo hic illuc irroratæ, macula subcostali apud basin, fascia valde irregulari media et macula medio-discalis argenteo-albidis fulvo irroratis: corpus cinereo-albidum: exp. alar. unc. 2, lin. 8. Coll. Druce.

Allied to *D. Nemesis* and *Cinereus*.

SUB-FAMILY PAPILIONINÆ. *Bates.*GENUS PAPILIO. *Linnaeus.**Papilio Orabilis, sp. nov.*

Alæ supra sulphureo-albæ, anticæ fasciola lata submedia cellæ medium transerrante, in costam latiore, nigra; area apicali et margine externo late nigris; maculis subquatuor, quarum duabus mediis solum distinctis, pone cellam transversalibus sulphureo-albis; posticæ area anali et margine externo late nigris; fasciola trifida, bisinuata apud marginem analem coccinea; macula bifida triangulari subanali flavida, lunulis duabus flavidis et tribus cæruleis submarginalibus; cauda flavido-acuminata: corpus nigrum cinereo hirtum, abdomine lateraliter flavido striato: alæ subtus virescentes; anticæ macula basali et costa, nigris; fasciola lata superna longiore cuneiformi acuminata, acumine squamosa; fascia decrescente aream externo-apicalem introrsum limitante; hac fusco grisea a venis interrupta extrorsum nigrescente, maculas supernas includente; posticæ fascia lata subapicali nigra, a costa ad aream nigram externam attingente; area externa introrsum piceo-tincta a venis nigris persecta; lineolis tribus brunneis angulatis et squamis nonnullis cæruleo-albidis submarginalibus, macula alba lunulisque duabus coccineis albo-roratis subanalibus; margine abdominali late piceo-nigro extrorsum albido hirtio; cauda albo terminata: corpus nigrum: exp. alar. unc. 4, lin. 6. Coll. Druce.

The finest *Papilio* in the Collection, and allied to *P. Servillei* and *P. Salvini*.

Papilio Lætitia, sp. nov.

♂. Alæ supra nigerrimæ; anticæ fasciola introrsum diffusa discoidali ochrea, striolis angustissimis costalibus, fascia macularum septem angulata, maculis tribus superioribus statim pone cellam oblique positis, aliis transversalibus discalibus maculisque novem parvis lunatis submarginalibus, omnibus ochreis; posticæ fascia postmedia a venis in maculas novem divisa, extrorsum quoque maculis bene separatis, lineolis septem submarginalibus lunatis squamisque nonnullis sparsis discalibus ochreis; ciliis albidis: corpus nigrum, capite tegulisque ochreo-

punctatis, abdomine lateraliter piceo: alæ anticæ subtus, area apicali fusca, maculis quatuor superioribus submarginalibus obsoletis; fasciola discoidali latiore, striolis costalibus latoribus a venis solum separatis; aliter velut supra; posticæ dimidio basali fusca, maculis fasciæ postmedianæ extrorsum rubro-notatis; lineolis submarginalibus rubris: exp. alar. unc. 4, lin. 6.

♀. Similis mari, major, supra maculis fasciarum mediarum minoribus pallidioribus magis ovalibus; anticæ fasciola discoidali maculisque pone cellam obsoletis; posticæ interspatio discali latiore, squamis discalibus cærulescentibus, maculis anali-submarginalibus rufescentibus: alæ subtus fasciis mediis paullo magis arcuatis; anticæ fasciola lata cellulari; posticæ lunulis submarginalibus majoribus, aliter velut in mare: exp. alar. unc. 4, lin. 6—7. Coll. Druce.

Closely allied to *P. Phacton*, but without tails to hindwings and with narrower bands.

Papilio Vulneratus, sp. nov.

♂. Affinis præcedenti, supra maculis omnibus duplo minoribus; anticæ fasciola discoidali et maculis pone cellam obsoletis; posticæ serie macularum discalium multo magis arcuata: anticæ subtus fere velut in ♀ speciei præcedentis, posticæ macula solum una subanali ochreo-albida rubro tincta, aliis omnibus parvis rubris: exp. alar. unc. 4, lin. 8. Coll. Druce.

Comes near *P. Victorinus* (*P. Helli*, Felder).

Papilio Clusoculis, sp. nov.

Alæ supra nigre, anticæ macula rotundata media a ramis medianis persecta, albida; posticæ plaga quinquefida magna postmedia coccinea cellæ finem tegente; maculis duabus elongatis internis squamosis coccineis; macula apicali lineolisque ciliaribus albis; corpus nigrum, dimidio anali abdominis lateraliter roseo quadrimaculato; alæ subtus pallidiores anticæ macula rotundata media bifida; posticæ fusce, area externa nigrescente, maculis tribus ovalibus postmediis et quarta parva subanali roseis; maculis sex sublunatis submarginalibus coccineis; puncto apicali albo; maculis duabus basalibus coccineis; corpus

thorace nigro coccineo-maculato, abdomine punctis octo, in serie duplici ventrali, albis: exp. alar. unc. 3, lin. 4. Coll. Druce.

The above species should certainly belong to a distinct genus from *P. Latitia* and allies, since the males of that group have the frontwing costa strongly serrated as in the genus *Prioneris* amongst the *Pierinae*. If it be thought advisable to separate *P. Latitia* and allies from *Papilio*, I would suggest the name *Pyrhosticta* for that group. I confess my inability to account for the reluctance of Entomologists to split up this unwieldy genus. *P. Clusoculis* is allied to *P. Hippason*.

FAMILY HESPERIDÆ. *Leach.*

GENUS ERYCIDES. *Hübner.*

Erycides Vida, sp. nov.

Persimilis *E. Urania* differt anticis maculis nullis hyalinis, sed dimidio apicali fusco immaculata: exp. alar. unc. 2, lin. 5. Coll. Druce.

GENUS CARYSTUS. *Hübner.*

Carystus Gemmatus, sp. nov.

Alæ supra piceæ; corpus nigrescens; alæ anticæ subtus dimidio apicali multo pallidiore; posticæ nigrescentes; punctis tribus pone cellam nitide cæruleis; macula interno-media elongata et quatuor in serie arcuata discali obscure coccineis: corpus nigro-fuscum: exp. alar. unc. 2, lin. 2. Coll. Druce.

Allied to no species that I have seen.

HETEROCERA.

FAMILY ZYGÆNIDÆ. *Leach.*

GENUS EUCHROMIA. *Hübner.*

Euchromia Scintillans, sp. nov.

Alæ supra nigerrimæ, anticæ ad basin nitide virescentes; fasciola postmedia obliqua ciliisque coccineis; macula pone cellam indistincta certo situ cærulescente; posticæ margine externo coccineo: corpus nitide viridum, thorace nigro bifasciato, antennis nigris: alæ subtus nigræ, anticæ area interna cinereo fuscescente; area basali maculisque duabus pone cellam nitide viridibus; fascia media coccinea latiore quam supra; ciliis coccineis; posticæ nitide virides; costa, areola apicali et fascia submarginali decrescente nigris; margine externo coccineo: corpus viridum pedibus viridibus tarsis nigrescentibus, anticis autem coxis et femoribus niveis; antennis nigris: exp. alar. unc. 1, lin. 10. Coll. E. W. Janson.

Allied to *E. fulgida*, but very distinct; it belongs to the group *Automolis* of Walker.

FAMILY LITHOSIIDÆ. *Stephens.*

GENUS DIOPTIS. *Hübner.*

Dioptis Ithomeina, sp. nov.

Alæ supra hyalinæ venis marginibusque nigro-cinereis; anticæ macula magna postmedia subovali alba utrinque nigro-cinereo limitata; punctis duobus subapicalibus maculisque duabus parvis anali-submarginalibus, albis; corpus cinereo-fuscum, thorace albido hirto: alæ subtus velut supra: corpus cinereum, abdomine albo: exp. alar. unc. 1, lin. 3. Coll. E. W. Janson.

Near no species with which I am acquainted,

Diopsis Noctiluces, sp. nov.

Alæ supra cinereo-nigrescentes, anticæ striola duplici subcostali et plaga pyriformi interno-mediana, basalibus, macula magna media subovali, duabus subapicalibus et tertia disco-anali, minoribus, hyalino-albidis; posticæ subhyalinæ, margine omni late fuscescente: corpus cinereum, tegulis aurantiacis: alæ subtus velut supra: corpus cinereum, coxis albidis, abdomine flavescente: exp. alar. unc. 1, lin. 2. Coll. E. W. Janson.

More nearly allied to the preceding than to anything else, but very distinct even from that species.

GENUS CHRYSAUGE. *Hübner.**Chrysauga Lutescens, sp. nov.*

Alæ supra subhyalinæ pallide ochraceæ venis ochreis; anticæ costa et area apicali introrsum sinuata pallide nigro-fuscis; maculis duabus subapicalibus, superiore quadruplo majore irregulari, albis; posticæ margine externo venisque discalibus late nigro-fusciscentibus, maculis tribus rotundatis inter venas submarginalibus albis: corpus, antennis, capite, tegulisque nigris, his albo maculatis; thorace et abdominis basi ochraceis; abdomine fuscescente lateraliter sordide ochraceo: alæ subtus velut supra, corpus thorace fusco albido lineato, proboscide ochrea; abdomine sordide ochraceo: exp. alar. unc. 2, lin. 1. Coll. E. W. Janson.

Nearest to *C. Repanda* of Walker.

FAMILY ARCTIIDÆ. *Leach.*GENUS PERICOPIS. *Hübner.**Pericopis Irenides, sp. nov.*

Persimilis *P. angulosa*, anticæ autem area basali nigra fasciola costali et fascia submediana longiore fulvo-ferrugineis; femina fasciis duabus macularum flavarum per medium abrupte nigro interruptis, interiore haud ferrugineo tineta, exteriori magis obliqua: alæ subtus fere ut in

P. angulosa: exp. alar. ♂, unc. 3, lin. 1; ♀, unc. 3, lin. 4.
Coll. E. W. Janson.

Allied to *P. angulosa* and probably an imitation of *Tithorea Irene* or an allied species.

Pericopsis Leonina, sp. nov.

Alæ anticæ velut in *P. Indecisa* sed paullo fulvidiores; posticæ fulvæ nigro venatæ; costa cinereo-fusca, margine externo late nigro, albo sexpunctato; corpus, thorace fusco flavo maculato, abdomine fulvo linea dorsali et fascia laterali, fuscis; anticis subtus areis basali et interno fulvis nigro-venatis, area media nigra; fascia lata irregulari media flava nigro interrupta; area apicali fusca; fascia sub-apicali obliqua flava; punctis septem submarginalibus albis; posticæ velut supra, punctis autem septem submarginalibus cæruleo-albis; corpus fuscum, thorace flavo maculato, abdomine lateraliter flavo bifasciato, fascia superiore tenuiore liminibus aurantiacis: exp. alar unc. 3, lin. 1.
Coll. E. W. Janson.

Allied to *P. subguttata* and *P. indeciso*.

FAMILY TORTRICIDÆ. *Guenée*.

GENUS ATTERIA. *Walker*.

* *Atteria Leopardina*, sp. nov.

♀. Alæ supra cupreo aurantiacæ; anticæ chalybeo-nigro maculatæ, serie punctorum ejusdem coloris margini fere paralleli; marginibus costali et externo lacteis, regulariter chalybeo-nigro sæpenumero fasciolatis; posticæ hic illuc chalybeo-nigro maculatæ, marginibus externo et interno regulariter maculatis; corpus cupreo aurantiacum chalybeo-nigro fasciatum, capite albido, palpis cærulescentibus.

Alæ subtus maculis minoribus, aliter fere velut supra: corpus chalybeo-nigrum collo anoque aurantiacis; abdomine flavo quadri-fasciato: exp. alar. unc. 1, lin. 6. Coll. E. W. Janson.

* The following species from New Granada has been kindly lent to me for description by Mr. Janson.

Atteria Volcanica, sp. nov.

♂. Alæ supra sericeo-aurantiæ; anticæ tertiis apicali et costali nigris argenteo-albo fasciolatis, fasciis septem costalibus ante aream apicalem, transversalibus, regulariter positis, octava et nona introrsum conjunctis; decima, undecima et duodecima quoque conjunctis et furcatis, punctis inter eas ejusdem coloris marginalibus; posticæ macula triplici apicali et quinque parvis marginalibus nigris; ciliis nigro, albo et aurantiaco variis: corpus aurantiacum, capite tegulisque sordide albidis, nigro-notatis; alæ et corpus subtus velut supra: exp. alar. unc. 1, lin. 4. Coll. E. W. Janson.

Allied to *A. strigicinctana*, Walker.
